

[illegible]

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a metallic chloride solutions.

10. The method of claim 7, wherein the metallic chloride solution includes:  
ZnCl(zinc chloride).

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11. The method of claim 7, wherein the metallic chloride solution includes:  
CuCl(copper chloride).

12. The method of claim 7, wherein the metallic chloride solution includes:  
SnCl(tin chloride).

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13. The method of claim 7, wherein the metallic chloride solution includes:  
AlCl(aluminum chloride).

14. The method of claim 1, wherein the metallic solution includes:  
a metallic bromide solution.

15. The method of claim 14, wherein the metallic bromide solution includes:  
CuBr(copper bromide).

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16. The method of claim 14, wherein the metallic bromide solution includes:  
ZnBr(zinc bromide).

17. The method of claim 14, wherein the metallic bromide solution includes:  
SnBr(tin bromide).

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18. The method of claim 1, wherein the metallic solution includes:

a metallic sulphate solution.

19. The method of claim 18, wherein the metallic sulphate solution includes:  
CuSO<sub>4</sub>(copper sulphate).

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20. The method of claim 18, wherein the metallic sulphate solution includes:  
ZnSO<sub>4</sub>(zinc sulphate).

21. The method of claim 18, wherein the metallic sulphate solution includes:  
SnSO<sub>4</sub>(tin sulphate).

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22. The method of claim 1, wherein the metallic solution includes:  
a metallic nitrate solution.

23. The method of claim 22, wherein the metallic nitrate solution includes:  
CuNO<sub>3</sub>(copper nitrate).

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24. The method of claim 22, wherein the metallic nitrate solution includes:  
ZnNO<sub>3</sub>(zinc nitrate).

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25. The method of claim 22, wherein the metallic nitrate solution includes:  
SnNO<sub>3</sub>(tin nitrate).

26. The method of claim 1, wherein the room temperature includes:  
approximately 10 degrees C to approximately 30 degrees C.

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27. The method of claim 1, wherein the optical emissions include:

approximately 11.7nm.

28. The method of claim 1, wherein the optical emissions include:  
approximately 13nm.

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29. The method of claim 1, wherein the metallic solution includes:  
an organo-metallic solution.

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30. The method of claim 29, wherein the organo-metallic solution includes:  
CHBr<sub>3</sub>(Bromoform).

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31. The method of claim 29, wherein the organo-metallic solution includes:  
CH<sub>2</sub>I<sub>2</sub>(Diodomethane).

32. The method of claim 1, wherein the metallic solution includes:  
SeO<sub>2</sub>(Selenium Dioxide).

33. The method of claim 1, wherein the metallic solution includes:  
ZnBr<sub>2</sub> (Zinc Dibromide).

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34. A method of generating optical emissions from metallic point sources, comprising the  
steps of:

forming microscopic liquid metal droplets at room temperature without heating the  
droplets;

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passing the droplets into individual target sources;

irradiating the individual target sources with a laser beam having substantially identical  
diameter to each of the individual droplets; and

producing optical emissions from the irradiated target sources without debris damage to surrounding components.

35. The method of claim 34, wherein each of the microscopic liquid metal droplets include:  
5 metallic chloride solutions.

36. The method of claim 34, wherein each of the microscopic liquid metal droplets include:  
metallic bromide solutions.

10 37. The method of claim 34, wherein each of the microscopic liquid metal droplets include:  
metallic sulphate solutions.

38. The method of claim 34, wherein each of the microscopic liquid metal droplets include:  
15 metallic nitrate solutions.

39. The method of claim 34, wherein each of the microscopic liquid metal droplets include:  
an organo-metallic solution.

40. The method of claim 34, wherein the room temperature includes:  
20 approximately 10 degrees to approximately 30 degrees C.

41. The method of claim 34, wherein the optical emissions include:  
approximately 11.7nm.

25 42. The method of claim 34, wherein the optical emissions include:  
approximately 13nm.